

Title (en)  
TECHNIQUES FOR DICTIONARY BASED JOIN AND AGGREGATION

Title (de)  
VERFAHREN FÜR WÖRTERBUCHBASIERTE VERBINDUNG UND AGGREGATION

Title (fr)  
TECHNIQUES DE JOINTURE ET D'AGRÉGATION BASÉES SUR UN DICTIONNAIRE

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**EP 3513305 A1 20190724 (EN)**

Application  
**EP 17740222 A 20170703**

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Abstract (en)  
[origin: WO2018052508A1] Techniques are described herein for performing join and aggregation operations for a received query using column dictionaries. In an embodiment, a query is received that requests to aggregate a measure column of a fact table, stored in storage data units, based on an aggregate function and join the fact table with a dimension table on a join key column. For a storage unit having column dictionaries and corresponding column vectors for each column, the DBMS may generate a dictionary-grouping key mapping based on the fact join key dictionary and dense grouping keys from the dimension table. Based on the generated dictionary-grouping key mapping and the fact join key vector, the DBMS aggregates a column vector in that data storage unit that corresponds to the measure column in the received query.

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